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Amendments to the Claims

Please amend Claims 1 and 16. The Claim Listing below will replace all prior versions of the claims in the application:

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Claim Listing

(Currently Amended) A solder composition comprising:

an alloy comprising tin (Sn) and silver (Ag); and

a granular additive pretreated with lux added to the granular additive, which is at least about 3% of the solder composition by weight, only the granular additive being pretreated with flux and comprising spheres of a nickel iron alloy 50-140 microns in size comprising about 36% nickel (Ni) and about 64% iron (Fe), by weight, the pretreated granular additive being in granular form within said alloy and being wetted with the alloy by the flux.

- 2. (Canceled)
- 3. (Previously Presented) The solder composition of Claim 1 in which the flux comprises zinc chloride, ammonium chloride and hydrochloric acid.
- 4. (Withdrawn) The solder composition of Claim 1 in which the mixture of elements comprises by weight about 95% 97% tip (Sn) and about 5% 3% silver (Ag).
- 5. (Original) The solder composition of Claim 1 in which the mixture of elements further comprises bismuth (Bi).
- 6. (Previously Presented) The solder composition of Claim 5 in which the mixture of elements comprises by weight about 61% 39% tin (Sn), about 59% 37% bismuth (Bi), and about 1% 3% silver (Ag).

- 7. (Withdrawn) The solder composition of C aim 1 in which the granular additive is about 30% of the solder composition by weight.
- 8. (Withdrawn) The solder composition of C aim 7, in which the mixture of elements comprises by weight about 95% tin (Sn), 2 id about 5% silver (Ag).
- 9. (Withdrawn) The solder composition of Claim 7 in which the mixture of elements comprises by weight about 75% tin (Sn), ε sout 23% bismuth (Bi) and about 2% silver (Ag).
- 10. (Withdrawn) The solder composition of Claim 1 in which the granular additive is about 20% of the solder composition by weight.
- 11. (Withdrawn) The solder composition of Claim 10 in which the mixture of elements comprises by weight about 62% tin (Sn), a bout 36% bismuth (Bi) and about 2% silver (Ag).
- 12. (Withdrawn) The solder composition of Claim 10 in which the mixture of elements comprises by weight about 72% tin (Sn), bout 26% bismuth (Bi) and about 2% silver (Ag).
- 13. (Withdrawn) The solder composition of Claim 10 in which the mixture of elements comprises by weight about 78% tin (Sn), about 20% bismuth (Bi) and about 2% silver (Ag).
- 14. (Withdrawn) The solder composition of Claim 10 in which the mixture of elements comprises by weight about 83% tin (Sn), about 15% bismuth (Bi) and about 2% silver (Ag).

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- 15. (Withdrawn) The solder composition of C aim 10 in which the mixture of elements comprises by weight about 88% tin (Sn), about 10% bismuth (Bi) and about 2% silver (Ag).
- 16. (Currently Amended) A solder composition comprising:

an alloy comprising tin and silver; and

a granular additive pretreated with lux added to the granular additive and comprising spheres of a material having a low coefficient of thermal expansion 50-140 microns in size and being at least about 3% of the solder composition by weight, only the granular additive being pretreated with flux, the pretreated granular additive being in granular form in said alloy and being wett. d with the alloy by the flux.

- 17. (Original) The solder composition of Clas n 16 in which the granular additive comprises iron.
- 18. (Original) The solder composition of Clasm 16 in which the granular additive comprises iron and nickel.
- 19. (Canceled).
- 20. (Previously Presented) The solder composition of Claim 16 in which the flux comprises zinc chloride, ammonium chloride and by Irochloric acid.
- 21. (Withdrawn) A method of forming a solder composition comprising:

 forming a molten mixture of elements comprising tin and silver; and
 adding a granular additive to the molten mixture of elements, the granular
 additive being at least about 3% of the solder composition by weight, the granular
 additive comprising a nickel iron alloy comprising about 36% nickel (Ni) and about 64%
 iron (Fe), by weight.

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- 22. (Withdrawn) The method of Claim 21 further comprising pretreating the granular additive with flux before adding the granular additive to the molten mixture of elements.
- 23 (Withdrawn) The method of Claim 22 fun ier comprising pretreating the granular additive with flux comprising zinc chloride, ammonium chloride and hydrochloric acid.
- 24. (Withdrawn) The method of Claim 21 further comprising forming the molten mixture of elements to comprise by weight about 95% 97% tin (Sn) and about 5% 3% silver (Ag).
- 25. (Withdrawn) The method of Claim 21 further comprising including bismuth in the molten mixture of elements.
- 26. (Withdrawn) The method of Claim 25 fur her comprising forming the molten mixture of elements to comprise by weight about 61%. 39% tin (Sn), about 59% 37% bismuth (Bi), and about 1% 3% silver (Ag).
- 27. (Withdrawn) The method of Claim 21 fur her comprising adding an amount of the granular additive to comprise about 30% of the solder composition by weight.
- 28. (Withdrawn) The method of Claim 27 further comprising forming the molten mixture of elements to comprise by weight about 95% tin (Sn) and about 5% silver (Ag).
- 29. (Withdrawn) The method of Claim 27 further comprising forming the molten mixture of elements to comprise by weight about 75% tin (Sn), about 23% bismuth and about 2% silver.
- 30. (Withdrawn) The method of Claim 21 further comprising adding an amount of the granular additive to comprise about 20% of the solder composition by weight.

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- 31. (Withdrawn) The method of Claim 30 further comprising forming the molten mixture of elements to comprise by weight about 62% tin (Sn), about 36% bismuth (Bi) and about 2% silver (Ag).
- 32. (Withdrawn) The method of Claim 30 further comprising forming the molten mixture of elements to comprise by weight about 72% tin (Sn), about 26% bismuth (Bi) and about 2% silver (Ag).
- 33. (Withdrawn) The method of Claim 30 further comprising forming the molten mixture of elements to comprise by weight about 78% tin (Sn), about 20% bismuth (Bi) and about 2% silver (Ag).
- 34. (Withdrawn) The method of Claim 30 fur her comprising forming the molten mixture of elements to comprise by weight about 83% tin (Sn), about 15% bismuth (Bi) and about 2% silver (Ag).
- 35. (Withdrawn) The method of Claim 30 further comprising forming the molten mixture of elements to comprise by weight about 88% tin (Sn), about 10% bismuth (Bi) and about 2% silver (Ag).
- 36. (Withdrawn) A method of forming a solder composition comprising:

 forming a molten mixture of elements comprising tin and silver; and
 adding a granular additive to the n olten mixture of elements, the granular
 additive comprising a material with a low coefficient of thermal expansion and being at
 least about 3% of the solder composition by weight.
- 37. (Withdrawn) The method of Claim 36 fu ther comprising adding a granular additive comprising iron.

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- 38. (Withdrawn) The method of Claim 36 fun ier comprising adding a granular additive comprising iron and nickel.
- 39. (Withdrawn) The method of Claim 36 further comprising pretreating the granular additive with flux before adding the granular additive to the melting mixture of elements.
- 40. (Withdrawn) The method of Claim 39 further comprising pretreating the granular additive with flux comprising zinc chloride, ammonium chloride and hydrochloric acid.